"Spring Issue"

Technology Education

What an exciting year this 2003-2004 school year has been! It is a bright new day for Technology Education both in Missouri and across the country. There are a number of significant events that took place this year to bolster and validate what we do in Technology Education and I want to share with you three of these key events.

First, the Division of Career Education (formerly the Division of Vocational and Adult Education) brought Technology Education into the career education family as a full participating member. The new Career Education Mentoring Program for all career education programs throughout Missouri had four protégé's and four mentors from Technology Education participating in the program receiving equal funding. We are beginning this next year of participation in the Career Education Mentoring Program with six new teachers, six mentors and one content expert and receiving equal support for our participants. If you are interested in participating as a mentor, please contact me by email or phone for the qualifications.

Second, the new Technology Education Scope and Sequence Map was developed and approved that provides three opportunities or choices for their local Technology Education program. You can view this new map at http://dese.mo.gov/divcareered/tech_ed_index.htm and clicking on the PDF icon in the center of the web page. Two of the three opportunities or choices with the new TE Scope and Sequence Map can apply for Career Education (Vocational) program status and receive the support from DESE that typically comes with being an approved career education program. The Pre Engineering Major known as PLTW can apply for career education approved program status starting in the fall of 2004. The Technology Education Major for Career Exploration can apply for career education approved program status starting in the fall of 2005. Some of the benefits will be inclusion in the 4th cycle MSIP section 7.3 for Career Education and for approved Technology Education programs with active TSA chapters.

Third, the National Academy of Engineering symposium for Technological Literacy which was held April 28th at the National Academy of Engineering in Washington D.C. (http://www.nae.edu/nae/naetech.nsf/weblinks/MKEZ-5XNHRY?OpenDocument) the symposium is one of several high-priority projects funded by the Office of the Secretary at the U.S. Department of Education. There were State Supervisors of Mathematics, Science, Curriculum and Technology Education from 40 states. The event began with a welcoming address from William Wulf, President of the National Academy of Engineering (NAE), and Susan Sclafani, Counselor to the U.S. Secretary of Education and Assistant Secretary, Office of Vocational and Adult Education.

Karen Falkenbert from the NAE's Technological Literacy panel presented an overview of why technological literacy is so important in education today. Dr. William Dugger presented the Standards for Technological Literacy as well as a good clarification of the differences between Technology Education and Educational Technology.

There were three panelists that provided excellent examples of courses and activities promoting technological literacy courses in action, including Carl Truxel, Technology Teacher at Dulaney High School in Timonium, MD, Ionnis Miaoulis, President and Director of the Boston Museum of Science (also a keynote speaker at ITEA this past March), and Richard Kimbell, Director of Technology Education Research at Goldsmiths College in London where Technology Education is for all students.

In conclusion, I want to encourage each of you embrace the many new opportunities that are coming your way for Technology Education. It is a great time to be a Technology Education teacher preparing students for a bright future. I hope to see each of you at the Missouri ACTE Summer Conference in Springfield, July 26-28, 2004. Our headquarter hotel for TEAM will be the Lamplighter Inn South. See you there!

The Missouri Institute for Technology Education, Fiscal Year 2005 will kick off during the week of Missouri ACTE Summer Conference, Wednesday, July 28-31, 2004. The Institute is a yearlong activity that includes two "callback" sessions during the year. Upon successful completion of the entire Institute, participants can receive three (3) semester hours of credit from Central Missouri State University.
http://dese.mo.gov/divcareered/teched_mite_general_info.htm

The Institute is limited to 50 participants. Schools who are first year recipients of the Fiscal Year 2005 Technology Education Grant Awards Program (TE GAP) will need to register each of their grant instructors. It is a first come first serve opportunity for all Technology Education teachers of grades 9-12. Please contact me regarding specific questions on participant eligibility and the MITE requirement for Fiscal Year 2005 TE GAP General Secondary schools.

There will be no registration fee for participants this year. The local education agency (LEA) will be reimbursed for half (1/2) the double-occupancy room and meal costs (reimbursed up to $28.00 per day for meals, receipts required). Transportation to and from the Institute is the responsibility of the LEA.

Instructors can complete the Fill-In-Form application by going to the following website:
http://dese.mo.gov/divcareered/teched_mite.htm this form will allow you to fill it in on your computer screen simply by tabbing and typing the appropriate information and using the reset button to clear and restart or the Save button to save a copy on your computer. Fax the completed form by May 31, 2004 to (573) 526-4261 and we will allow the forms to be faxed until July 1, 2004 but remember that it is a first come first served basis. Dr. Michael Wright and Ben Yates, MITE Co-Directors, will mail specific logistical information regarding the Institute directly to you and your instructor in the near future.

Project Lead The Way (PLTW) – We now have 14 school districts that have signed an agreement with PLTW to implement courses this fall and 4 more in the process. We are now in discussions with the University of Missouri-Rolla who will be our PLTW State Affiliate Leader responsible for coordinating our state leadership team, summer teacher institute and college credit for all Missouri students and teachers. For more information about PLTW go to www.pltw.org.

Missouri TSA

2004 State Conference Record Participation! A new high water mark was set this year with 28 schools participating in more than 15 events at the middle school level and 30 events at the high school level. The 2003-2004 State Officer team did an excellent job this past year providing leadership throughout the state on behalf of Technology Education and TSA.

2004 National TSA Conference Expects An All-Time High Attendance in Nashville, Tennessee June 20-24, 2004! A record number of Missouri TSA members are registered to attend the National TSA Conference with 77 members representing 14 schools. In addition, Missouri has two students planning to campaign for a National TSA Office. Missouri is becoming a strong force to contend with at the National level and students are eager to compete and bring home those top honors and recognition.

"Survivor Missouri" State Officer Training! The new 2004-2005 State Officer Team are gearing up to survive this year's state officer training camp. We have a full team 15 this year participating in one of the most exciting, fun and challenging training camps at a private conference center at the Lake of the Ozarks in early June. They will experience a full day of team building activities that will challenge them to strengthen them as individuals and as team. In addition, they will be preparing the 2004-2005 program of work to include a statewide service project with the American Cancer Society and establishing the action teams for selected projects to be accomplished by the team this coming year.

Leadership Connections Degree Program – There is a self-study degree program available on-line to all Missouri TSA students. Students will find the content, requirements, practice test and the application needed to receive the respective award. They are progressive and the first degree is the "Basic Degree" which is earned at our Annual Fall Leadership Connections Conference. The second degree is the "Academic Degree", the third degree is the "Collegiate Degree" and the fourth degree is the "Scholar Degree". These degrees are available for all Missouri TSA members who have completed of the respective requirements. For more information go to: http://www.dese.state.mo.us/divvoced/tsa_lcdp.htm

Are You Planning to Start a TSA Chapter Next Fall? Then you should begin by reviewing the "10 Steps To Starting a Chapter" found on our website at: http://dese.mo.gov/divcareered/tsa_information.htm. I would encourage you to plan to attend the "Missouri TSA Fall Leadership Connections Conference" in early October with your officers or officers to be. This conference will train your officers in every aspect of what they need to run your TSA chapter and how to work together as a team. You can learn more about all of our conferences at http://dese.mo.gov/divcareered/tsa_student_conferences.htm. You can find information about the yearly affiliation of your members at http://dese.mo.gov/divcareered/tsa_members.htm.

Technology Education Resources

New Technology Education Scope and Sequence Technology Education has released a new scope and sequence map that will provide a quick summary of program expectations for Technology Education programs across the state. The map is designed to serve as a companion to the new Missouri Technology Education Guide and the Program Standards and Evaluation Tool for program improvement and alignment. In addition, each document supports the Technology Education Grant Awards Program that can be utilized by schools to support program improvement efforts.

Missouri Technology Education Guide (version 2) – A Newly Revised copy of the MOTE Guide has been posted to our web site with a complete revision of chapter 3 on the Technology Education Scope and Sequence. You can view or download the latest version at http://dese.mo.gov/divcareered/teched_curriculum.htm. You will notice on the "Curriculum" web site that we have created separate document of each chapter for quicker download and use. In addition, you can still download and review the complete guide that has interactive links embedded throughout the guide for accessing all of the ITEA elementary, middle school and high school curriculum developed by ITEA and the CATTS consortium. If you have questions about the guide, you can contact Doug Miller at W.Doug.Miller@dese.mo.gov.

Technology Education Program Standards and Indicators Tool On-Line – The Missouri Technology Education Program Standards document is provided as an instrument for a self-evaluation of your districts program. In addition, it will serve as a guide to prepare for MSIP and in the near future it will assist schools in preparing for Career Education (formerly know as Vocational Education) program certification of their Technology Education program. All Career Education Program areas in Missouri utilize a similar tool in

preparation for MSIP reviews and Perkins accountability.
This will provide significant leadership to bring your program up to speed with all other Missouri Career Education programs. You can download and print the self-assessment tool at
http://dese.mo.gov/divcareered/teched_standards_&_evaluation.htm

   ICON -- or the **Innovation Curriculum Online Network**, is a central source for information dealing with technology and innovation, and serves as an electronic roadmap to connect users, such as teachers, professors, students, museum staff, and parents with information about the human built and innovated world.

   ICON also provides a broad and deep collection of technological literacy resources for teachers and educators, digital resources informed by educational and digital library standards, necessary descriptors, metadata, and developmentally appropriate content for technological literacy support. The collection is populated and classified according to the Standards for Technological Literacy.

Important Dates To Remember

June 20-24, 2004	National TSA Conference, Nashville, Tennessee
July 26-28, 2004	Missouri ACTE Summer Conference, Springfield, Missouri TEAM Headquarter Hotel, Lamplighter Inn South
July 28-31, 2004	4th Annual MITE (Missouri Institute for Technology Education)
October 2, 2004	TEAM / TECA Conference, CMSU
October 7-9, 2004	Missouri TSA Fall Leadership Connections Conference Inn at Grand Glaize, Osage Beach, Missouri
November 14-16, 2004	"Building Bridges Conference" Tan Tar-A Resort, Osage Beach, Missouri

   (For a complete 2004-2005 calendar go to http://dese.mo.gov/divcareered/tsa_calendar.htm)

Thoughts for Consideration

Quad Power

From the Totally Absurd Archive

Actual Patent Illustration - All Inventions Hold Real USA Patents
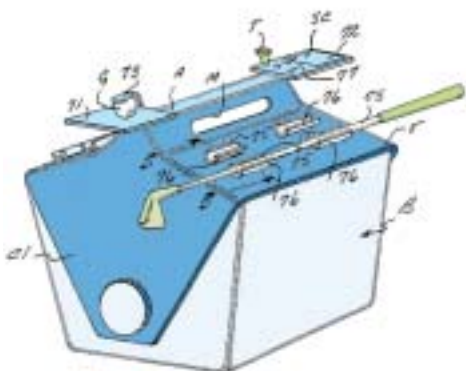
Quad Power
US Patent   5,785,336* Issued / 1998

How many gears do you have on your bicycle? One? Ten? Twenty One? You can slap as many gears on there as you'd like but you still only have two legs (we hope). What you need for those steep hills is more muscle power and we're not talking a bicycle built for two, we're talking arm power! That's right, time to flex those biceps and triceps and flap your wings as you mow down those mountains and turn them into mole hills.

Keep loose clothing and babies away from that dangerous looking steering gear mess (did OSHA approve this thing?). The Quad Power is more complex than a 747 so if you can't walk and chew gum at the same time, stay off this thing!

To view the Totally Absurd Archive visit http://totallyabsurd.com/absurd.htm

Club Cooler

From the Golf's Goofiest Gadgets Archive

Actual Patent Illustration - All Inventions Hold Real USA Patents

Club Cooler
USA Patent 4,474,940* / Issued 1988

Finally, somebody got their priorities straight and combined two of the world's favorite sports, Golf and partaking in a cool beverage. Why lug all of those extra clubs around when the Club Cooler will hold four clubs, extra balls, score cards and it has little convenient beverage landing zones. The iceman cometh!

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